

# SITSON INDIA PVT. LTD

For Perfect Energy & Environment Solution

## WASTE HEAT RECOVERY BOILER FOR CEMENT PLANT

**90%**



of total energy in cement plant is used as heat energy in the clinker calcination process.

**35%**



of energy in the clinker calcination process is discharged as waste heat.

**30%**

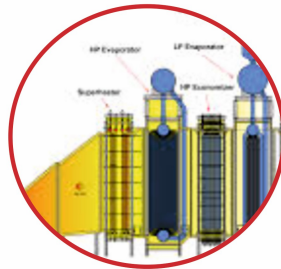


of plant electrical energy requirement can be produced using WHR System.

### Technologies for Waste Heat Boiler



Vertical Cross Flow with Bare tubes for Pre Heater Boiler.



Horizontal Cross Flow.



Vertical Cross Flow with Finned Tubes for AQC.

### Design Consideration for WHR Boiler for Cement Plant

- Bare Tube Design for Pre Heater Boiler.
- Rectangular Finned Tube for AQC Boiler.
- Hammering System for Pre Heater Boiler.
- Pre Dust Collector for AQC Boiler.
- Optimum Flue Gas Velocity for better life of pressure parts.

